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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/651,438	08/30/2000	Kevin Garcia	002950.P043	2551

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EXAMINER

HOANG, PHUONG N

ART UNIT	PAPER NUMBER
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2126

DATE MAILED: 03/28/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/651,438

Applicant(s)

GARCIA, KEVIN

Examiner

Phuong N. Hoang

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 30 August 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☐ Claim(s) \_\_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 - 18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1 – 8, 17, and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dzikewich US patent no. 5,706,500, and in view of Horiguchi US patent no. 6,073,157.

**As to claim 1**, Dzikewich teaches automatically detecting exit (automatically detecting failure, col. 5 lines 52 - 58) of a child application object (units of works 132-138) col. 5 lines 50 - 65, attempting restart (restarted, col. 5 lines 52 - 60) of the child application, signaling (signaling, col. 5 lines 30 - 50) an outcome of the restart to a parent application (processor 100, col. 5).

Dzikewich does not teach automatically terminating grandchild application object.

Horiguchi teaches automatically terminating (automatically terminate, col. 32 lines 37 - 50) grandchild application object (threads, col. 5 lines 30 - 45 and col. 6 lines 45 - 55) launched by the child application object (enclave).

It would have been obvious to apply the teaching of Horiguchi to Dzikewich's system to make the parent to have a grandchild because it is a hierarchy relationship.

**As to claim 2**, as modified by Dzikewich in claim 1 teaches maintaining (either restarting or terminating) an application hierarchy.

**As to claim 3**, as modified by Dzikewich teaches maintaining application hierarchy includes launching (start the parent application).

**As to claim 4**, Dzikewich teaches if the restart of the child application is successful (when the transaction system has been restarted, .... if these data ....successfully, col. 4 lines 10 – 22) then communicating a restart message to the parent application object to inform (processing state 152, col. 4 lines 10 – 22) the parent application.

**As to claim 5**, this claim is opposite with claim 4.

**As to claim 6**, one skilled in the art can recognize that detecting of the failure would include detecting hanging of a process.

**As to claim 7**, Dzikewich teaches automatically determining whether the exit of the child application was expected (if the restart follows after the completion of unit, col. 5 line 60 – col. 6 line 6), and only attempting the restart if the exit was unexpected (a restart due to a system failure).

**As to claim 8**, it would have been obvious to modify the system to create a new process identifier for a process.

**As to claim 17**, this is product claim of claim 1, see claim 1 above.

**As to claim 18**, this is system claim of claim 1, see claim 1 above.

2. Claims 9 - 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dzikewich US patent no. 5,706,500, in view of Horiguchi US patent no. 6,073,157, and further in view of Matsuda US patent no 5,790,419.

**As to claim 9**, see claim 1 above.

Dzikewich as modified claim do not teach a watchdog.

Matsuda teaches a watchdog (watchdog, col. 4 lines 16 – 30).

It would have been obvious to apply the teaching of Matsuda to Dzikewich's system because watchdog is a mechanism to detect failure.

**As to claim 10 – 16**, see claim 2 – 8 above respectively.

23. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong N. Hoang whose telephone number is (703) 605-4239. The examiner can normally be reached on Monday - Friday 9:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alvin Oberley can be reached on (703)305-9716. The fax phone numbers for the organization where this application or proceeding is assigned are (703)746-7239 for regular communications and (703)746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)746-7140.



ALVIN OBERLEY  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

ph  
March 13, 2003

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